

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100821\
 Data File : VD070636.D
 Acq On : 08 Oct 2021 13:56
 Operator : VA/SY
 Sample : M4113-05
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 11 02:22:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

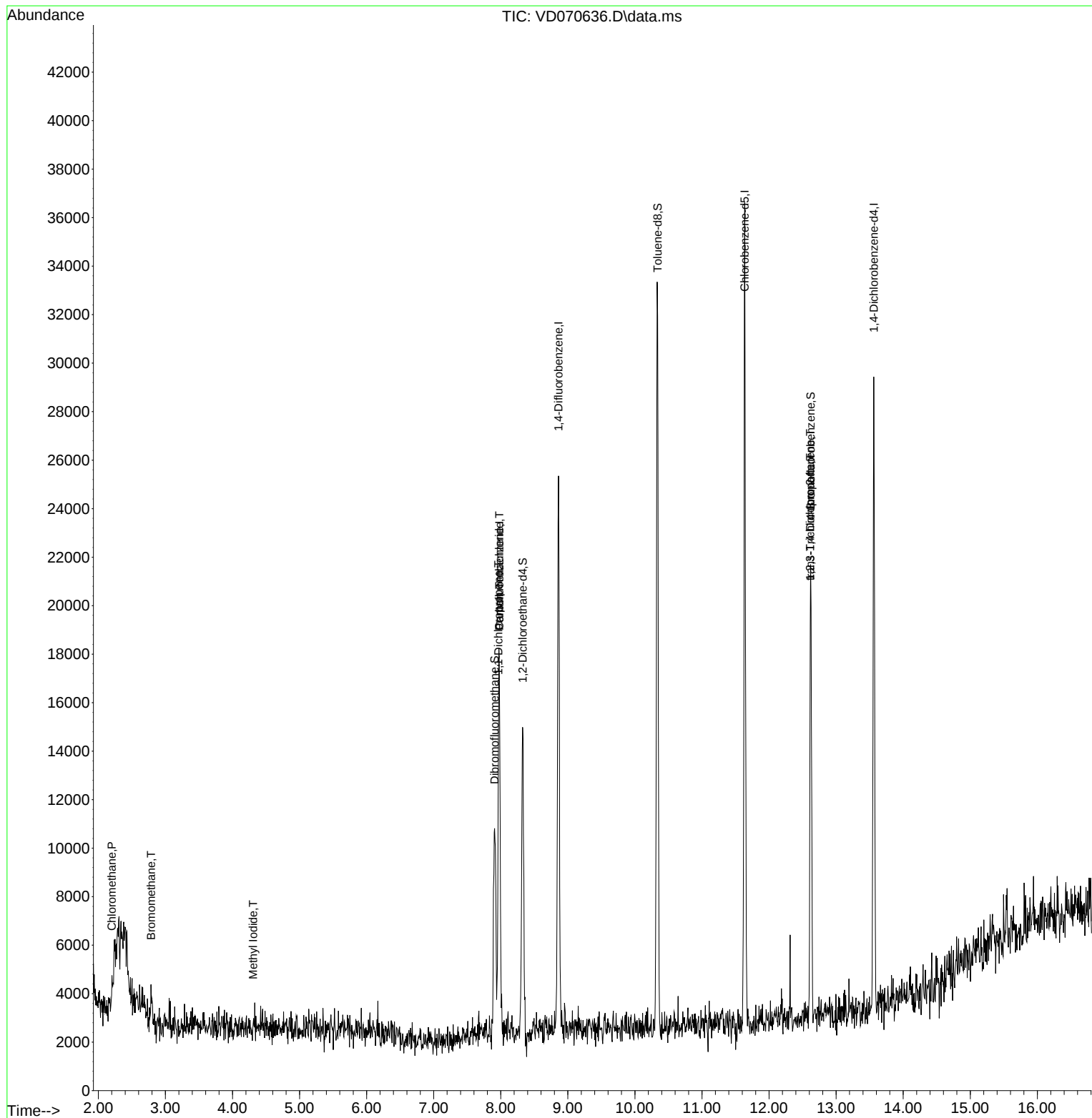
Internal Standards						
1) Pentafluorobenzene	7.979	168	12203	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	20232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	19431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	7147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	10187	70.934	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	141.860%
35) Dibromofluoromethane	7.908	113	6580	48.917	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.840%
50) Toluene-d8	10.338	98	23486	45.672	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.340%
62) 4-Bromofluorobenzene	12.620	95	7297	42.457	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.920%
Target Compounds						
						Qvalue
3) Chloromethane	2.203	50	237	1.282	ug/l	# 42
5) Bromomethane	2.785	94	618	1.501	ug/l	93
10) Methyl Iodide	4.308	142	70	1.152	ug/l	# 38
20) Methylene Chloride	4.950	84	210	Below Cal	#	55
36) 1,1-Dichloropropene	7.967	75	595	2.769	ug/l	# 42
38) Carbon Tetrachloride	7.979	117	1026	4.563	ug/l	# 12
76) 1,2,3-Trichloropropane	12.614	75	3506	54.198	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.614	75	3506	120.330	ug/l	# 17

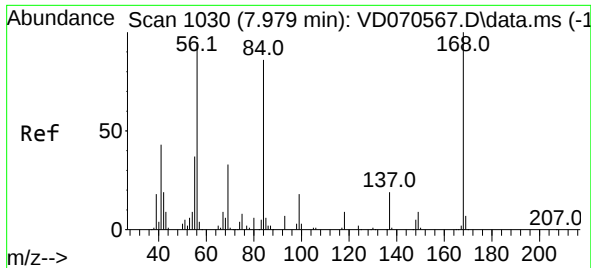
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

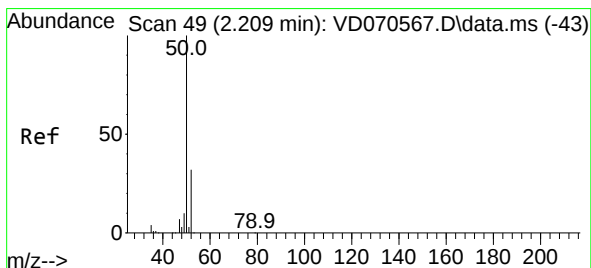
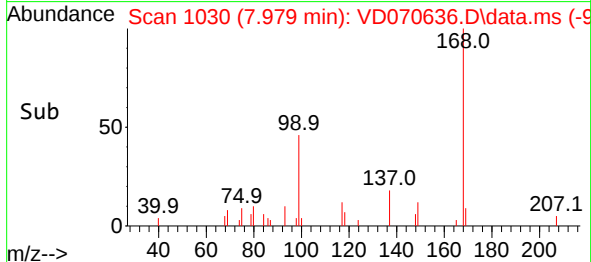
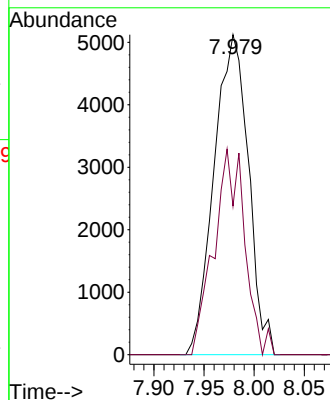
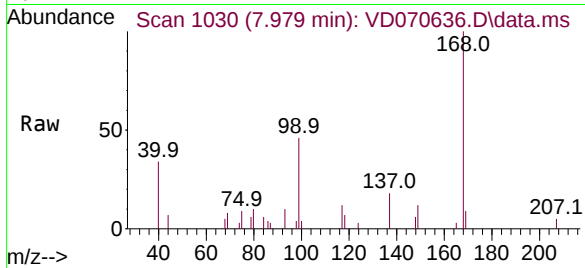




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

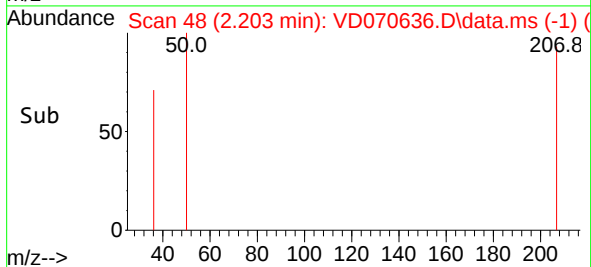
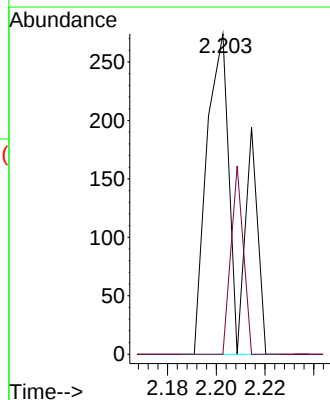
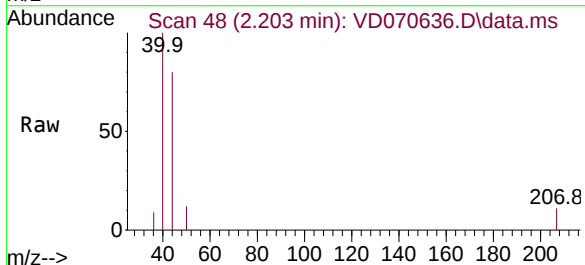
Instrument :
MSVOA_D
ClientSampled :

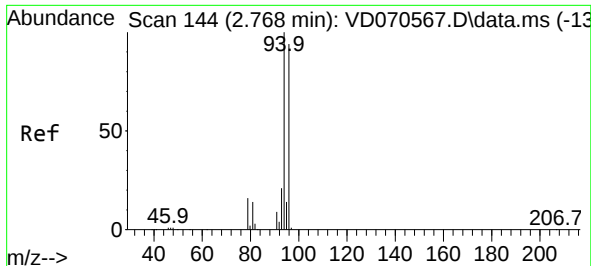
Tgt Ion:168 Resp: 12203
Ion Ratio Lower Upper
168 100
99 46.4 51.4 77.0#



#3
Chloromethane
Concen: 1.282 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

Tgt Ion: 50 Resp: 237
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

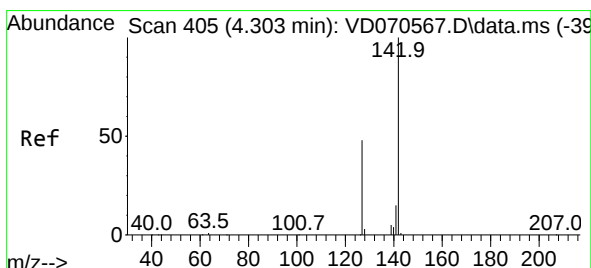
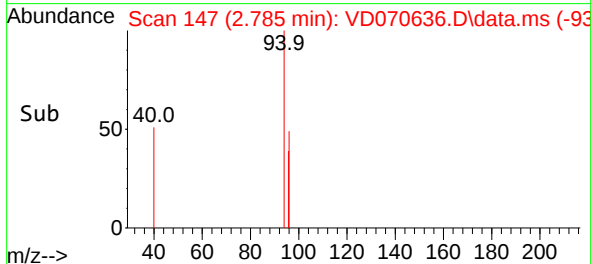
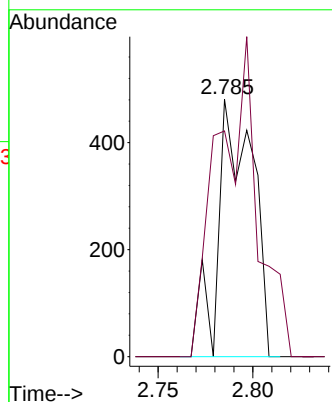
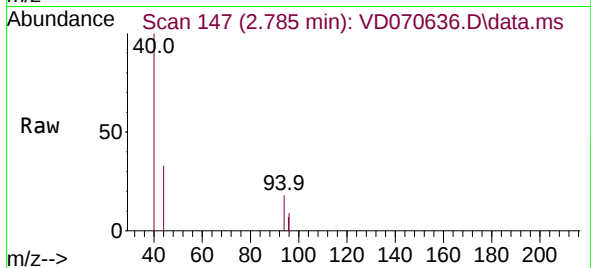




#5
Bromomethane
Concen: 1.501 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

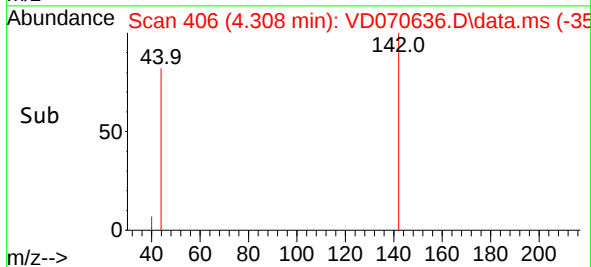
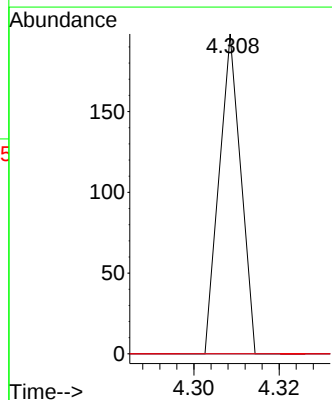
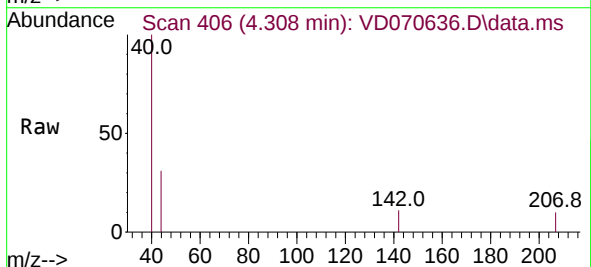
Instrument :
MSVOA_D
ClientSampleId :

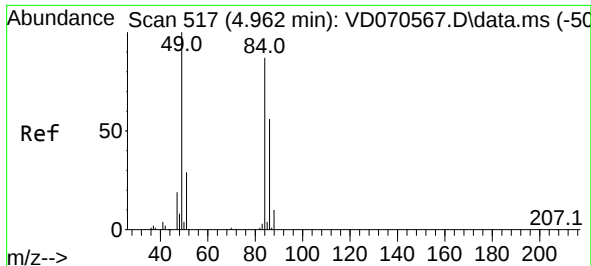
Tgt Ion: 94 Resp: 618
Ion Ratio Lower Upper
94 100
96 87.7 75.5 113.3



#10
Methyl Iodide
Concen: 1.152 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.005 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

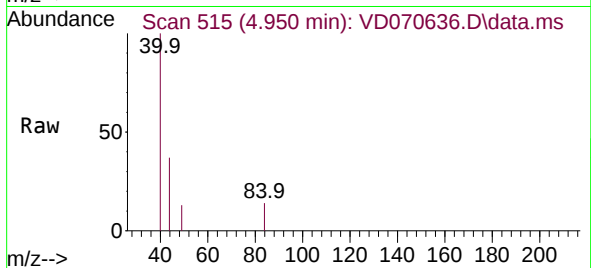
Tgt Ion: 142 Resp: 70
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#



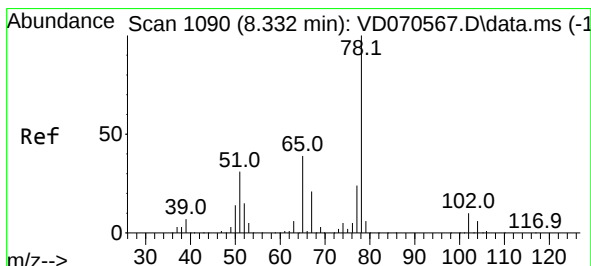
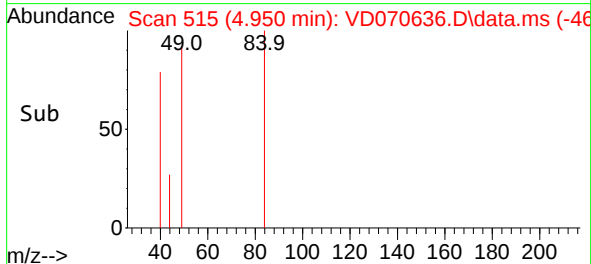
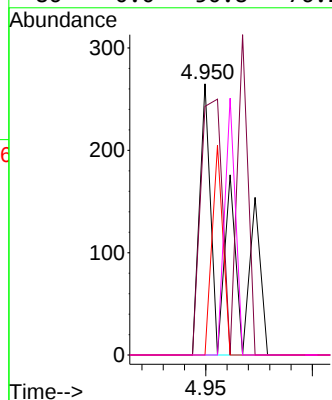


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

Instrument :
MSVOA_D
ClientSampled :

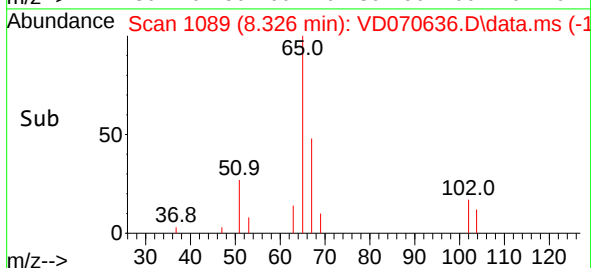
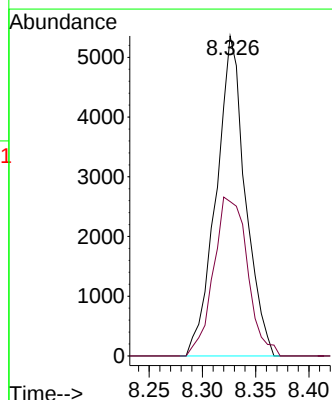
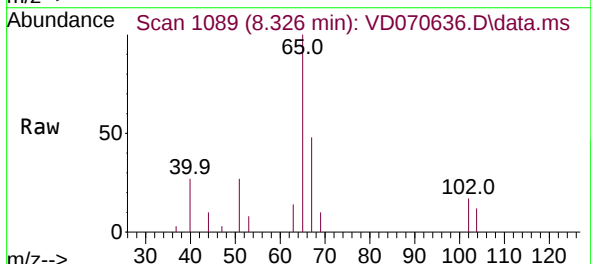


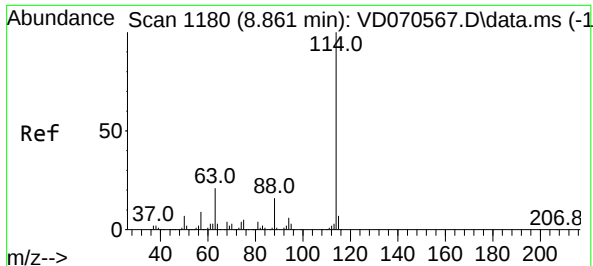
Tgt Ion:	84	Resp:	210
Ion	Ratio	Lower	Upper
84	100		
49	91.7	91.4	137.2
51	0.0	26.7	40.1#
86	0.0	50.8	76.2#



#33
1,2-Dichloroethane-d4
Concen: 70.934 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

Tgt Ion:	65	Resp:	10187
Ion	Ratio	Lower	Upper
65	100		
67	57.7	0.0	110.2



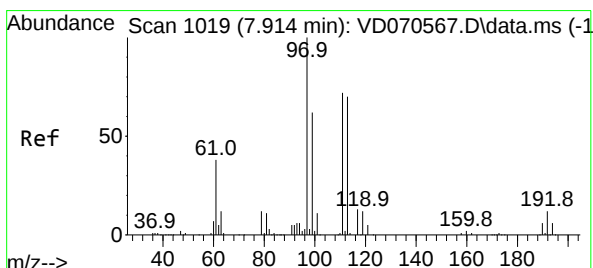
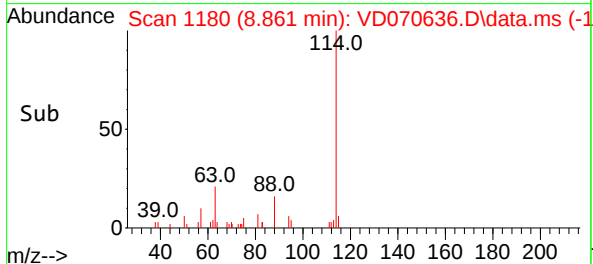
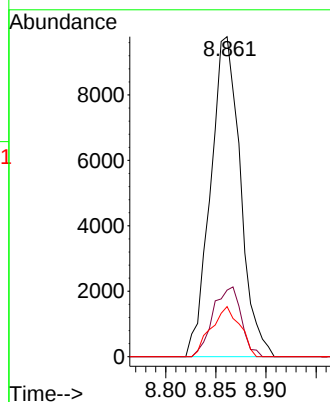
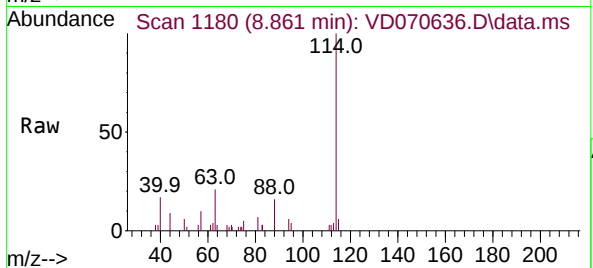


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

Instrument :
MSVOA_D
ClientSampleId :

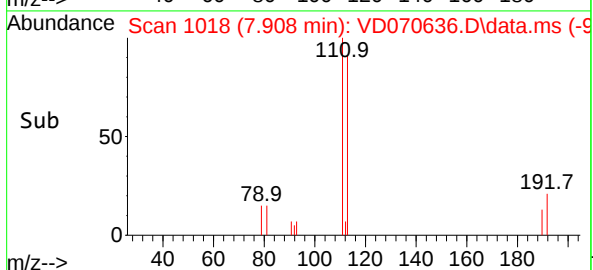
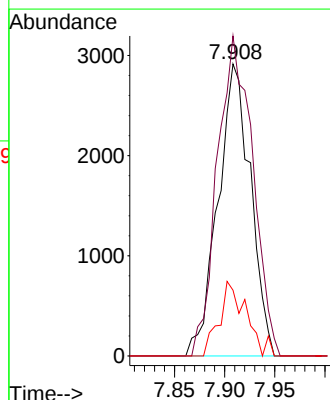
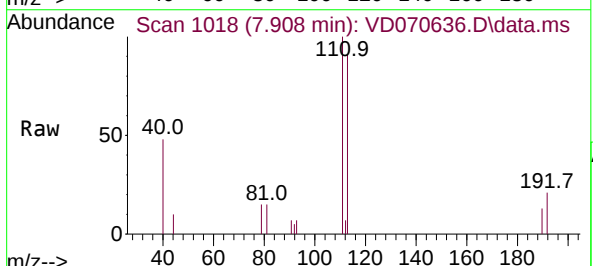
Tgt Ion:	114	Resp:	20232
Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.8
88	15.7	0.0	32.6

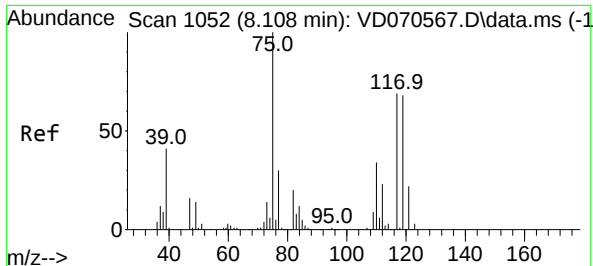


#35

Dibromofluoromethane
Concen: 48.917 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

Tgt Ion:	113	Resp:	6580
Ion	Ratio	Lower	Upper
113	100		
111	119.0	83.1	124.7
192	21.2	12.7	19.1#



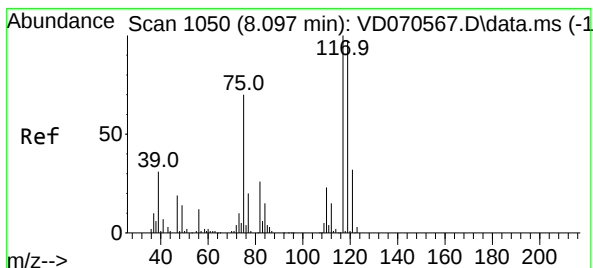
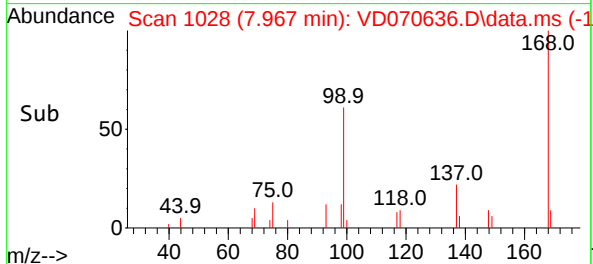
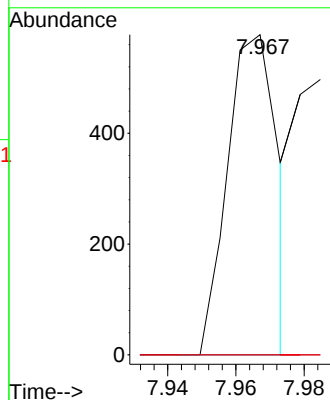
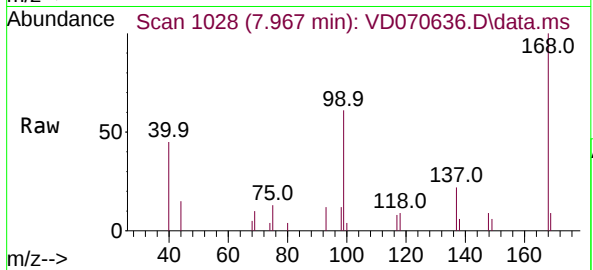


#36

1,1-Dichloropropene
Concen: 2.769 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

Instrument :
MSVOA_D
ClientSampleId :

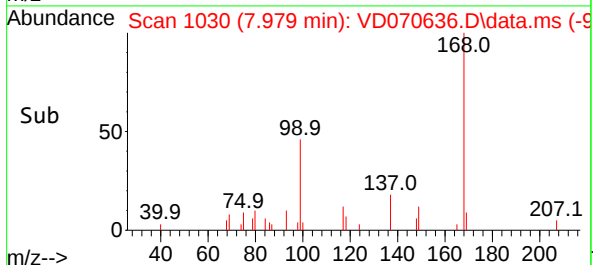
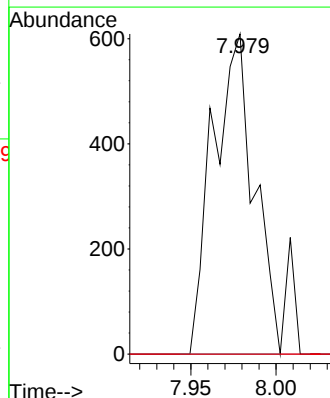
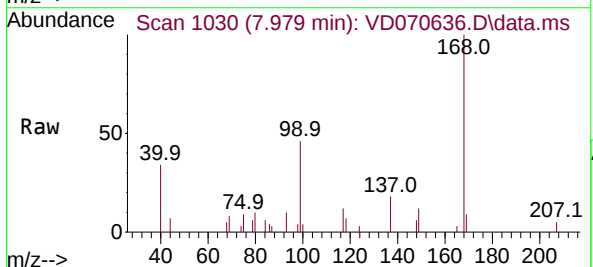
Tgt Ion: 75 Resp: 595
Ion Ratio Lower Upper
75 100
110 0.0 17.2 51.6#
77 0.0 24.2 36.4#

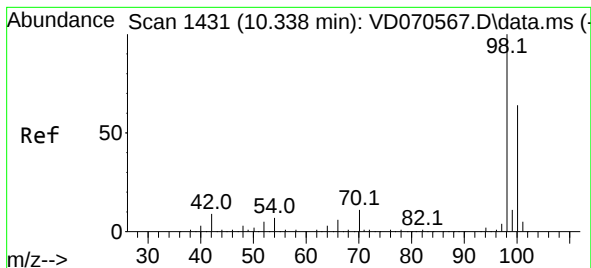


#38

Carbon Tetrachloride
Concen: 4.563 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

Tgt Ion: 117 Resp: 1026
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#

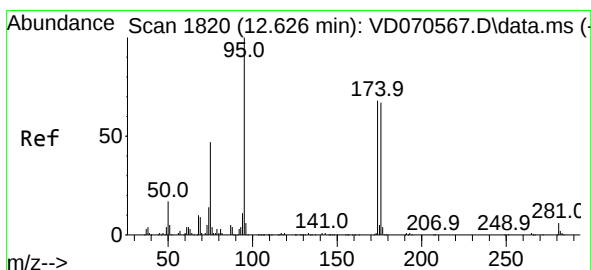
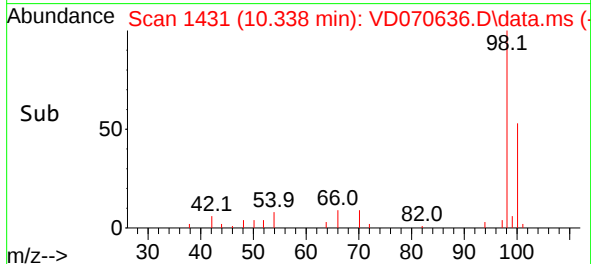
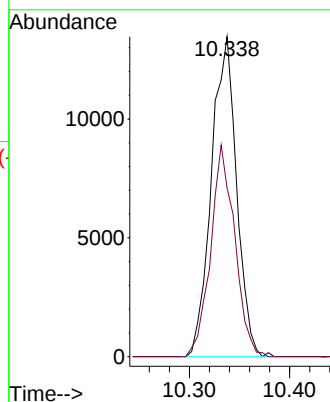
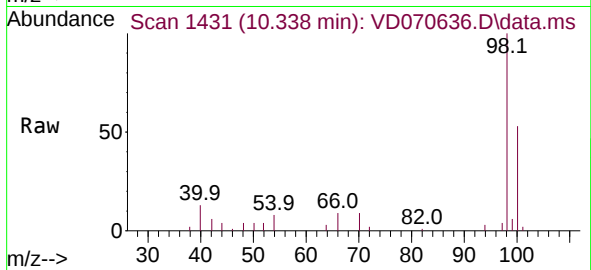




#50
Toluene-d8
Concen: 45.672 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

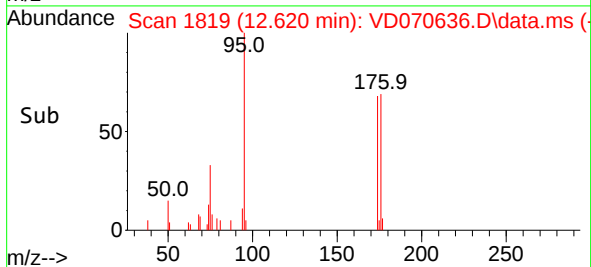
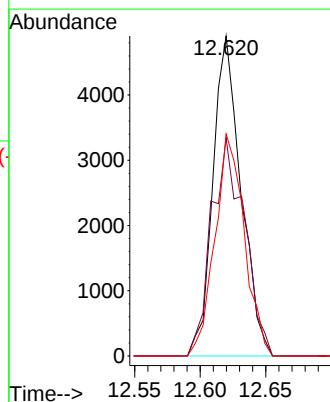
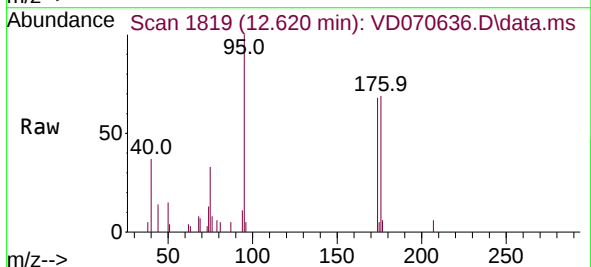
Instrument :
MSVOA_D
ClientSampled :

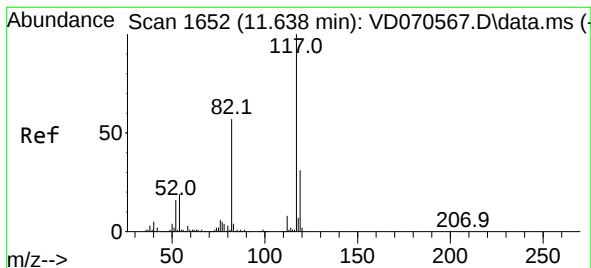
Tgt Ion: 98 Resp: 23486
Ion Ratio Lower Upper
98 100
100 63.1 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 42.457 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

Tgt Ion: 95 Resp: 7297
Ion Ratio Lower Upper
95 100
174 80.1 0.0 138.0
176 72.5 0.0 135.6

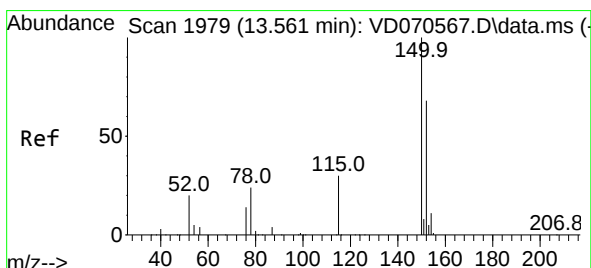
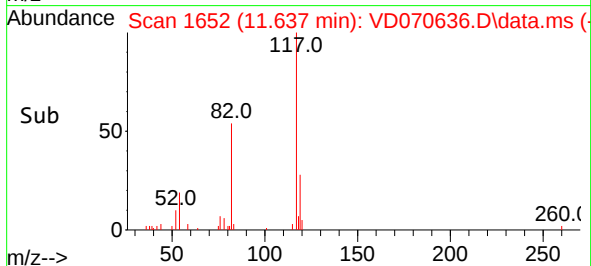
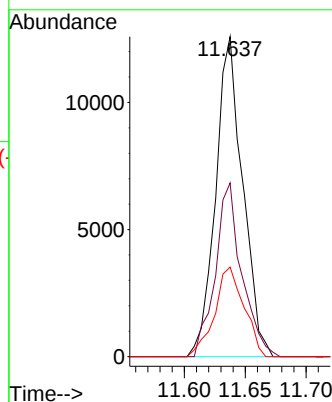
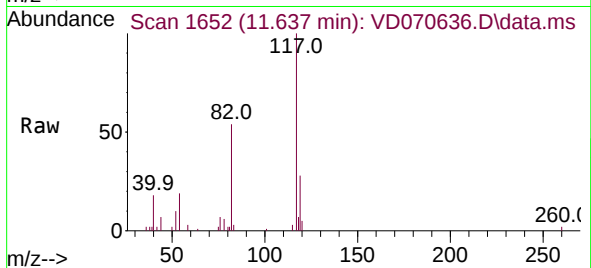




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

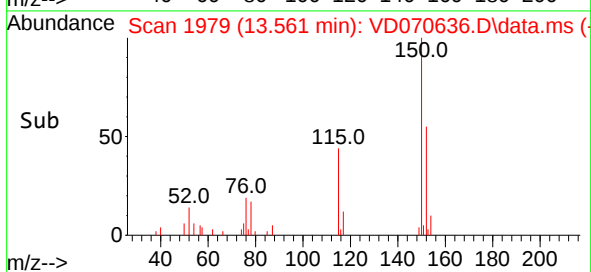
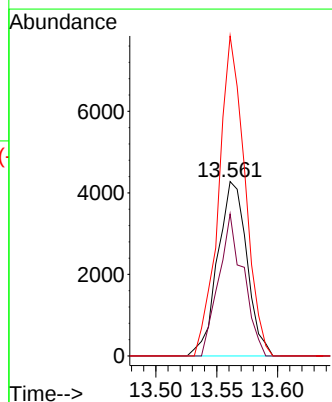
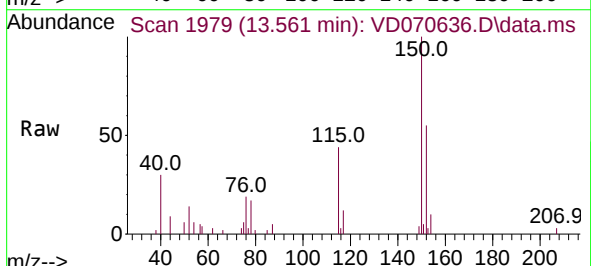
Instrument :
MSVOA_D
ClientSampleId :

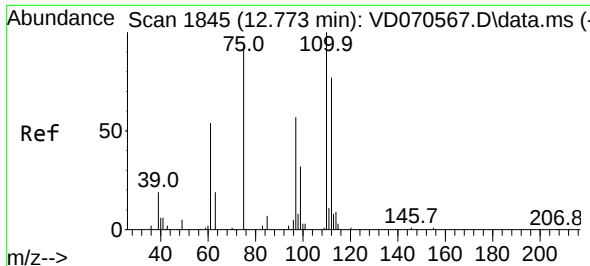
Tgt Ion:	117	Resp:	19431
Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.4	68.2
119	28.0	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

Tgt Ion:	152	Resp:	7147
Ion	Ratio	Lower	Upper
152	100		
115	68.7	31.9	95.7
150	164.9	0.0	350.0

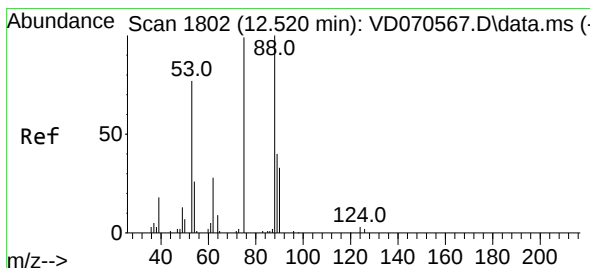
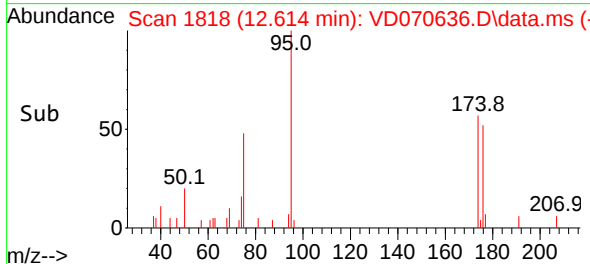
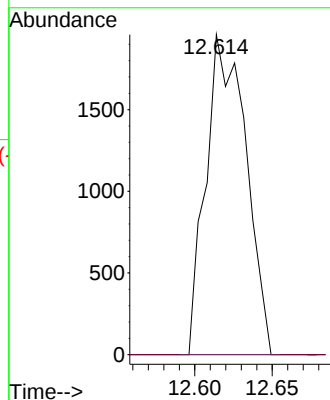
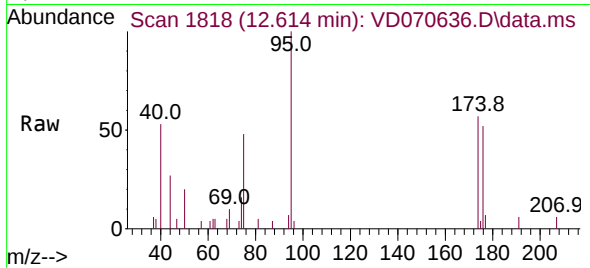




#76
1,2,3-Trichloropropane
Concen: 54.198 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.159 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 3506
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 120.330 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.094 min
Lab File: VD070636.D
Acq: 08 Oct 2021 13:56

Tgt Ion: 75 Resp: 3506
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#

